

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application☐ Supplemental (37 C.F.R. §1.67)

As a named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 2 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

PURIFICATION OF RED BLOOD CELLS BY SEPARATION AND DIAFILTRATION

the specification of which (check one)

☐ is attached hereto.☒ was filed on February 28, 2002 as United States ApplicationNumber or PCT International Application No. 10/090,428

and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119 or 365 of any foreign application(s) for patent or inventor's certificate, or of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			Priority Not Claimed	Certified Copy Filed?	
				YES	NO
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole

or first inventor Robert A. Mouchens

Inventor's Signature

Robert A. Mouchens

Date

23 APR 02

Residence

22 Briar Drive

Milford, Massachusetts 01757

Citizenship

USA

Mailing Address

Same as above

Full name of second joint

inventor, if any Maria S. Gawryl

Inventor's Signature

Maria S. Gawryl

Date

24 Apr. 02

Residence

256 Marginal Street

East Boston, Massachusetts 02128

Citizenship

USA

Mailing Address

Same as above

Full name of third joint

inventor, if any William R. Light

Inventor's Signature

William R. Light

Date

23 Apr 02

Residence

3 Mohegan Trail

Natick, Massachusetts 01760

Citizenship

USA

Mailing Address

Same as above

Full name of fourth joint

inventor, if any Javed Baqai

Inventor's Signature

Javed Baqai

Date

23 APR 02

Residence

16 Pheasant Lane

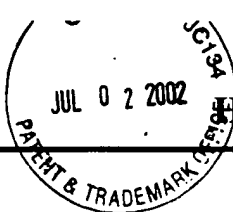
Lexington, Massachusetts 02421

Citizenship

USA

Mailing Address

Same as above



HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

**POWER OF ATTORNEY OR
AUTHORIZATION OF AGENT AND
CORRESPONDENCE ADDRESS**

Application Number	10/090,428
Filing Date	February 28, 2002
First Named Inventor	Robert A. Houtchens
Group Art Unit	1641
Examiner Name	Not Assigned
Attorney Docket Number	1161.2002-000

I/We hereby appoint

☒ the attorneys/agents associated with **Customer No. 021005**

☐ Practitioner(s) named below:

as my/our attorneys/agents to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

The correspondence address for the above-identified application is:

☒ Customer Number 021005

Hamilton, Brook, Smith & Reynolds, P.C.

530 Virginia Road

P.O. Box 9133

Concord, Massachusetts 01742-9133

☐ Other _____

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Please direct all telephone calls and facsimiles to:

Name N. Scott Pierce, Esq. Tel. No. 978-341-0036 Fax No. 978-341-0136

I am the:

☐ Applicant/Inventor.

☒ Authorized representative of the Assignee of the entire interest. See 37 C.F.R. 3.71. A Statement under 37 C.F.R. §3.73(b) is enclosed.

☐ Authorized representative of an assignee together with ☐ of the entire interest. A separate Statement under 37 C.F.R. § 3.73(b) is enclosed.

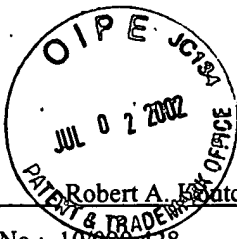
SIGNATURE of Applicant or Assignee of Record

Name Maria S. Gawryl

Signature 

Date 18 Jun 02

☒ Total of ☐ forms are submitted.

STATEMENT UNDER 37 C.F.R. § 3.73(b)Applicants: Robert A. Kutchens, Maria S. Gawryl, William R. Light and Javed BaqaiApplication No.: 10/090,428 Filed: February 28, 2002For: PURIFICATION OF RED BLOOD CELLS BY SEPARATION AND DIAFILTRATIONBiopure Corporation
(Name of Assignee)a Corporation
(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is

- A. ☒ the assignee of the entire right, title and interest in the patent application identified above; or
- B. ☐ an assignee together with ☐ of the entire right, title and interest in the patent application identified above. A separate Statement under 37 CFR § 3.73(b) is being submitted.

The right, title and interest of the above-named assignee in the patent application identified above is established by virtue of:

- A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or a copy thereof is attached.

- ☐ Additional documents in the chain of title are listed on a supplemental sheet.

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The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Date: 18 June 02Name: Maria S. GawrylTitle: Vice PresidentSignature: 18 June 02

ASSIGNMENT**COPY**Joint

WHEREAS, we, **Robert A. Houtchens, Maria S. Gawryl, William R. Light and Javed Baqai**, have invented a certain improvement in **PURIFICATION OF RED BLOOD CELLS BY SEPARATION AND DIAFILTRATION** described in an application for Letters Patent of the United States, the specification of which:

- ☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;
- ☒ was filed on **February 28, 2002** as Application No. **10/090,428**;
- ☐ was patented under U.S. Patent No. ☐ on ☐.

WHEREAS, **Biopure Corporation** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Delaware**, and having a usual place of business at **11 Hurley Street, Cambridge, Massachusetts 02141** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: _____

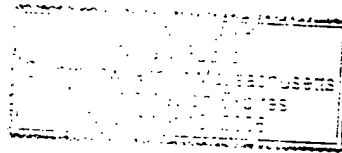
Robert A. Houtchens

Robert A. Houtchens

State/Commonwealth

of Massachusetts

County of Middlesex



Then personally appeared before me the above-named **Robert A. Houtchens** and acknowledged that he executed the foregoing instrument as his free act and deed this 23rd day of April, 2002.

(SEAL)

Jane M. Clark Notary Public

JANE M. CLARK (print name)

My Commission expires 11 / 10 / 2006

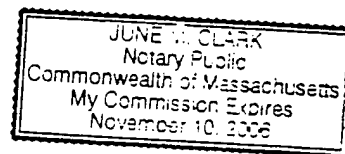
Inventor's Signature: _____

Maria S. Gawryl

State/Commonwealth

of Massachusetts

County of Middlesex



Then personally appeared before me the above-named **Maria S. Gawryl** and acknowledged that she executed the foregoing instrument as her free act and deed this 24th day of April, 2002.

(SEAL)

June M. Clark Notary Public

JUNE M. CLARK (print name)

My Commission expires 11 / 10 / 2006

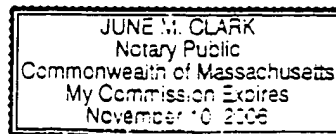
Inventor's Signature: _____

William R. Light

State/Commonwealth

of Massachusetts

County of Middlesex



Then personally appeared before me the above-named **William R. Light** and acknowledged that he executed the foregoing instrument as his free act and deed this 23rd day of April, 2002.

(SEAL)

June M. Clark Notary Public

JUNE M. CLARK (print name)

My Commission expires 11 / 10 / 2006

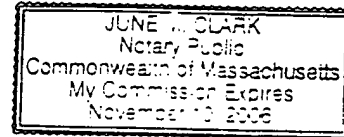
Inventor's Signature: _____

Javed Baqai
Javed Baqai

State/Commonwealth

of Massachusetts

County of Middlesex



Then personally appeared before me the above-named **Javed Baqai** and acknowledged that he executed the foregoing instrument as his free act and deed this 23rd day of April, 2002.

(SEAL)

June M. Clark Notary Public

JUNE M. CLARK (print name)

My Commission expires 11 / 10 / 2006